REAL TIME OBJECT LOCALIZATION AND RECOGNITION FROM SILHOUETTE IMAGES

Abstract of the Invention

5   The present invention provides a method for

detecting an object. The method includes capturing a

binary image of the object, and determining a

projection of the binary image to a first axis. The

method further includes determining a difference

10   between a profile of a target object to the first axis

and the projection at a plurality of positions along

the first axis, and detecting the object by determining

if the difference between the profile and the

projection is less than a threshold at one of the

15   plurality of positions.